

<https://www.phoenixcontact.com/cn/products/1727735>

PCB terminal block - MK3DS 1/ 2-3,81 - 1727735

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

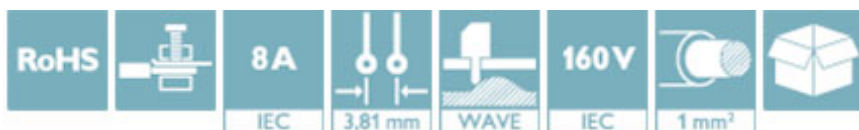


PCB terminal block, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

The figure shows a 10-pos. version with 30 contacts

Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Extremely small design for the respective conductor cross section
- ✓ Conductor connection on several levels enables higher contact density



Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 116361
GTIN	4017918116361
Custom tariff number	8536909000
Sales Key	AAABAA

Technical data

Dimensions

Length	25 mm
Pitch	3.81 mm
Dimension a	3.81 mm
Width	9.52 mm
Constructional height	23.9 mm
Height	27.4 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,5 x 0,9 mm

<https://www.phoenixcontact.com/cn/products/1727735>

PCB terminal block - MK3DS 1/ 2-3,81 - 1727735

Technical data

Dimensions

Hole diameter	1.1 mm
---------------	--------

General

Range of articles	MK3DS 1
Insulating material group	I
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal cross section	1 mm ²
Maximum load current	10 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	5 mm
Number of positions	2
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	0.2 mm ²

Standards and Regulations

Connection in acc. with standard	EN-VDE
----------------------------------	--------

PCB terminal block - MK3DS 1/ 2-3,81 - 1727735

Technical data

Standards and Regulations

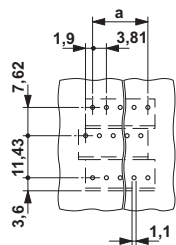
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

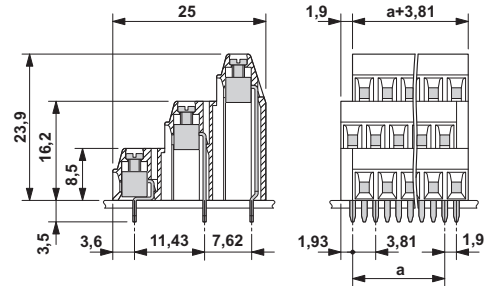
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Drilling diagram



Dimensional drawing



Approvals

Approvals

Approvals

CSA / SEV / CCA / IECCEB Scheme / EAC / cULus Recognized / CCA / IECCEB Scheme

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
	B	D	
mm ² /AWG/kcmil	28-16	28-16	
Nominal current I _N	10 A	10 A	
Nominal voltage U _N	150 V	300 V	

<https://www.phoenixcontact.com/cn/products/1727735>

PCB terminal block - MK3DS 1/ 2-3,81 - 1727735

Approvals

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1
mm²/AWG/kcmil		1.5	
Nominal current I _N		8 A	
Nominal voltage U _N		125 V	

CCA	IK-2722
-----	---------

IECEE CB Scheme		http://www.iecee.org/	CH-8225
-----------------	---	---	---------

EAC		B.01742
-----	--	---------

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19770427
		B	D
mm²/AWG/kcmil		30-16	30-16
Nominal current I _N		10 A	10 A
Nominal voltage U _N		300 V	300 V

CCA		IK-2722
mm²/AWG/kcmil	1.5	
Nominal current I _N	12 A	
Nominal voltage U _N	125 V	

IECEE CB Scheme		http://www.iecee.org/	CH-8225
mm²/AWG/kcmil		1.5	
Nominal current I _N		8 A	
Nominal voltage U _N		125 V	